ABB BALDOR RELIANCE

Customer information packet

EL11318M

1HP, 1750RPM, 1PH, 60HZ, 56H, 3528LC, OPEN, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPEN
Frame	56H
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	1.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	CURUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	4.400 A @ 230.0 V
	8.800 A @ 115.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.6 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	4.4 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	E
Type	AC
Mech. spec.	35E007
Base	
Status	PRD/A
Elec. spec.	35WGG389
Layout	35LYE007
Eff. date	02-06-2025
CD Diagram	CD0320
Poles	04
Leads	6#18,1#16 #4TH
Proprietary	False
Created date	02-23-2023

KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3528LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	11.75 IN
Power Factor	89
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1750 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	Manual Thermal Overload
Winding Thermal 1 Location	SB
Winding Thermal 2	None

Nameplate

NP3273L											
CAT.NO.	EL11318M										
SPEC.	35E007G389G1										
HP	1										
VOLTS	115/230										
AMP	8.8/4.4										
RPM	1750										
FRAME	56H		**HZ**	60			**PH**	1			
SER.F.	1.15	**CODE**	K	**DES**	L	**CL**	F				
F.L. AVG. EFF.	82.6	**PF**	89								
RATING	40C AMB-CONT										
CC											
DE	6205		**ODE**	6203							
ENCL	OPEN	**SN**									

AC Induction Motor Performance Data
Record # 109832
Typical performance - not guaranteed values

Winding: 35WGG389-R001	**Type:** 3528LC	**Enclosure:** OPEN

Nameplate Data				**115 V, 60 Hz: Low Voltage Connection**	
Rated Output (HP)			1	**Full Load Torque**	3.006 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			8.8/4.4	**Breakdown Torque**	9.12 LB-FT
R.P.M.			1750	**Pull-up Torque**	6.8 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	13.7 LB-FT
NEMA Design Code	L	**KVA Code**	K	**Starting Current**	75.2 A
Service Factor (S.F.)			1.15	**No-load Current**	4.53 A
NEMA Nom. Eff.	82.6	**Power Factor**	89	**Line-line Res. @ 25ºC**	0.57842 Ω A Ph 1.1449 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	22°C
S.F. Amps				**Temp. Rise @ S.F. Load**	27°C

Load Characteristics 115 V, 60 Hz, 1 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	51	69	80	86	89	91	88
Efficiency	65.7	78.3	82.3	82.7	81.4	78.7	81.9
Speed	1783.2	1769.4	1753.1	1736.2	1716	1689.1	1724
Line amperes	4.86	5.88	7.33	9.06	11.1	13.6	10.3

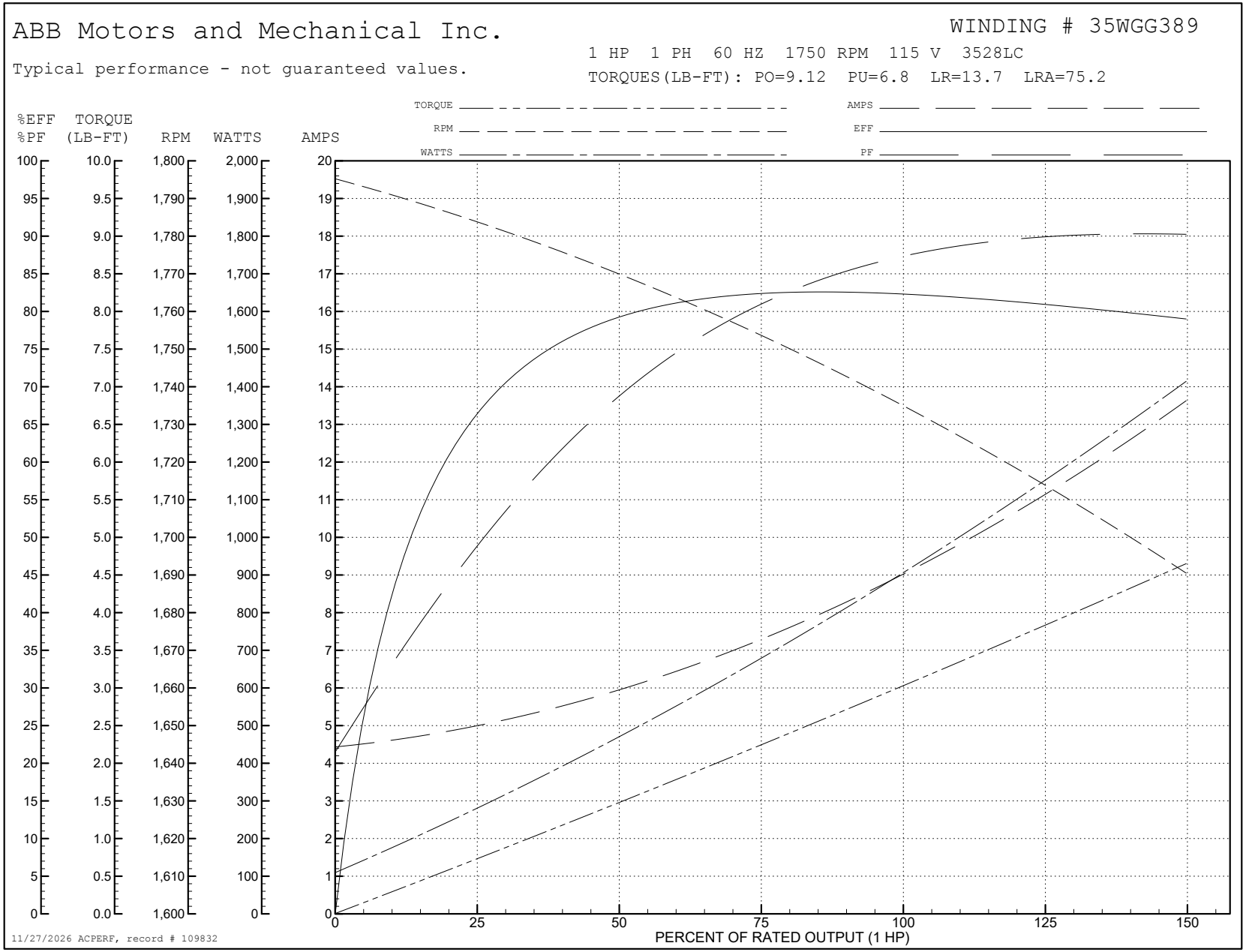
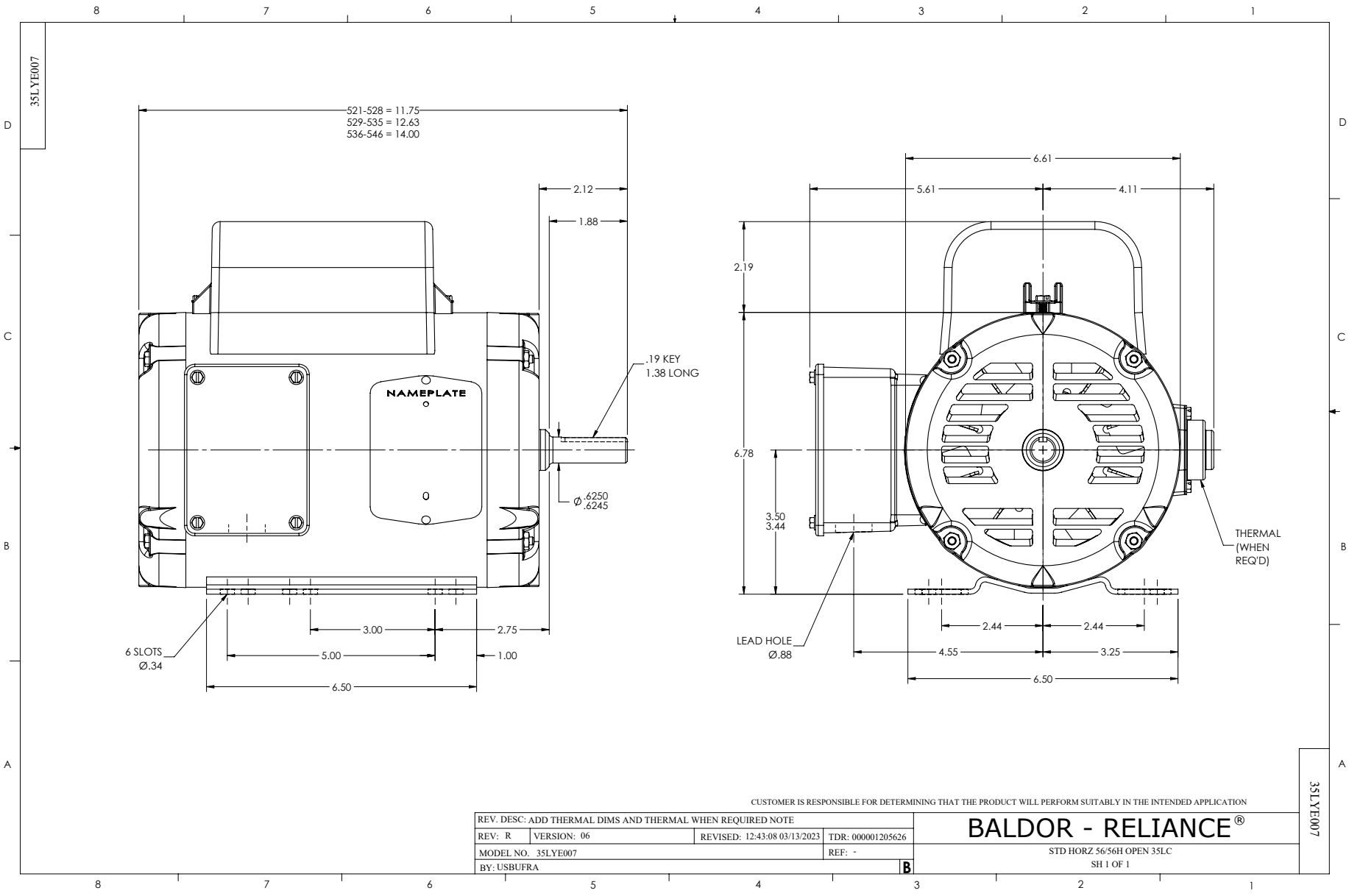
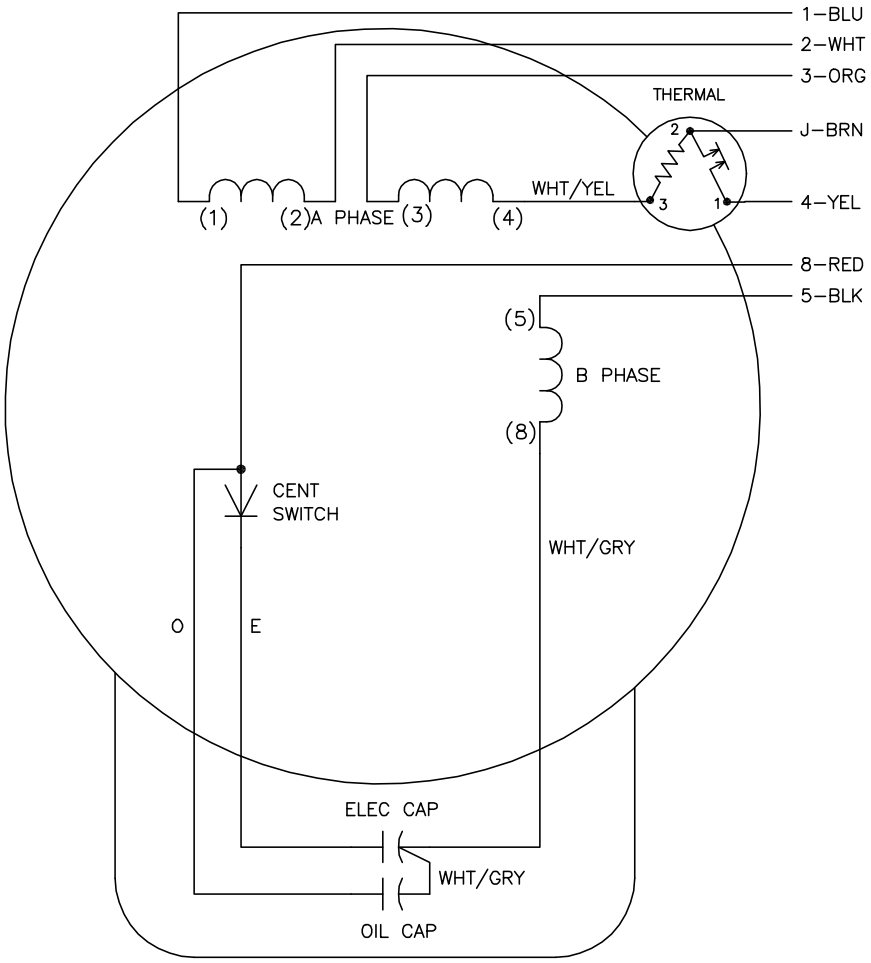


ABB Motors and Mechanical Inc.
WINDING # 35WGG389
Typical performance - not guaranteed values.
1 HP 1 PH 60 HZ 1750 RPM 115 V 3528LC
TORQUES(LB-FT): PO=9.12 PU=6.8 LR=13.7 LRA=75.2
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (1 HP)
11/27/2026 ACPERF, record # 109832


35LYE007
521-528 = 11.75
529-535 = 12.63
536-546 = 14.00
2.12
1.88
.19 KEY
1.38 LONG
NAMEPLATE
Ø.6250
.6245
6 SLOTS
Ø.34
3.00
2.75
5.00
1.00
6.50
6.61
5.61
4.11
2.19
6.78
3.50
3.44
THERMAL
(WHEN
REQ'D)
LEAD HOLE
Ø.88
2.44
2.44
4.55
3.25
6.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADD THERMAL DIMS AND THERMAL WHEN REQUIRED NOTE
REV: R
VERSION: 06
REVISED: 12:43:08 03/13/2023
TDR: 000001205626
MODEL NO. 35LYE007
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
STD HORZ 56/56H OPEN 35LC
SH 1 OF 1
35LYE007

CD0320



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1,8	4	2,3,5	J
HIGH OPP	1,5	4	2,3,8	J
LOW STD	1,3,8	4	–	2,J,5
LOW OPP	1,3,5	4	–	2,J,8

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0320

REV. DESC: ADD INTERNAL CONNECTION TO HELP MANUFACTURING		
REV. LTR: G	VERSION: 01	TDR: 000000941594
FILE: \AAA\00007\422	REVISED: 02:21:00 08/28/2015	BY: ENALEMO
MTL: –		

BALDOR

TYPE LC, DV, REV, THERMAL, B PH AMPS THRU HTR HVC, 7 LEAD

SH 1 of 1